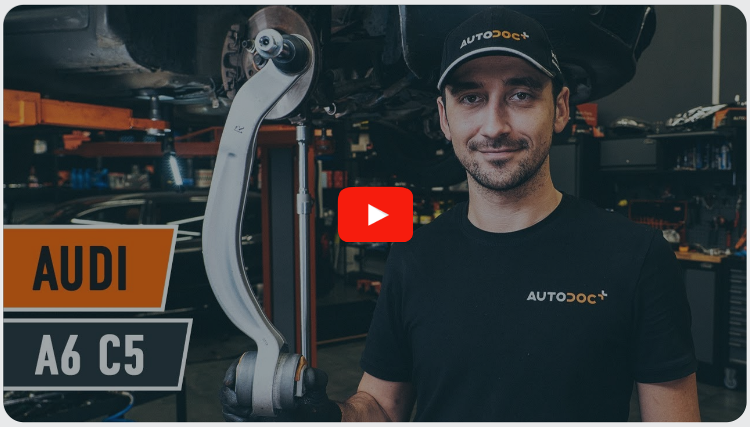
AUTODOC CLUB

How to change front lower arm on **Audi A6 C5 Avant** – replacement guide

VIDEO TUTORIAL



Important!

This replacement procedure can be used for:
AUDI A8 (4D2, 4D8) 4.2 quattro, AUDI A8 (4D2, 4D8) 2.8, AUDI A8 (4D2, 4D8) 2.8 quattro, AUDI A4 Saloon (8D2, B5) 1.6, AUDI A4 Saloon (8D2, B5) 1.8, AUDI A4 Saloon (8D2, B5) 1.8 T, AUDI A4 Saloon (8D2, B5) 2.6, AUDI A4 Saloon (8D2, B5) 2.8, AUDI A4 Saloon (8D2, B5) 1.9 TDI, AUDI A4 Saloon (8D2, B5) 1.8 quattro, AUDI A4 Saloon (8D2, B5) 1.8 T quattro, AUDI A4 Saloon (8D2, B5) 2.6 quattro, AUDI A4 Saloon (8D2, B5) 2.8 quattro, AUDI A8 (4D2, 4D8) 3.7, AUDI A8 (4D2, 4D8) 3.7 quattro, (+ 118)

The steps may slightly vary depending on the car design.

REPLACEMENT: FRONT LOWER ARM – AUDI A6 C5 AVANT. TOOLS YOU MIGHT NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Combination spanner #18
- Drive socket # 18
- Wheel impact socket #17
- Ball joint puller
- Tap wrench
- Crow bar
- Hydraulic transmission jack
- Wheel chock

BUY TOOLS

Replacement: front lower arm – Audi A6 C5 Avant. AUTODOC experts recommend:

- The replacement procedure is identical for the left and right lower control arms.
- Please note: all work on the car – Audi A6 C5 Avant – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Secure the wheels with chocks.

2 Loosen the wheel mounting bolts. Use wheel impact socket #17.



3 Raise the front of the car and secure on supports.



4 Unscrew the wheel bolts.



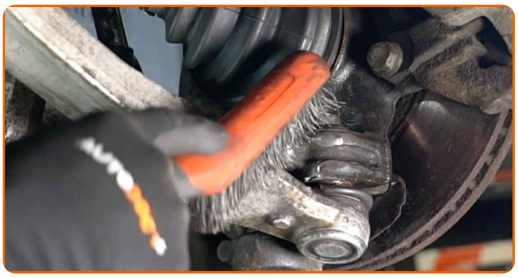
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. Audi A6 C5 Avant

5 Remove the wheel.



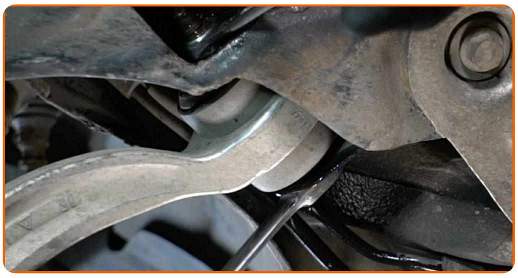
6 Clean all joints of the arm. Use a wire brush. Use WD-40 spray.



AUTODOC recommends:

- Replacement: front lower arm – Audi A6 C5 Avant. After applying the spray, wait a few minutes.
- Wear protective goggles.
- Wear a respirator.

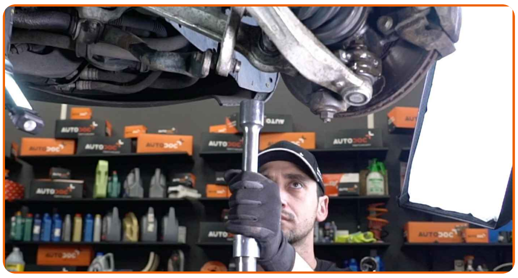
7 Unscrew the rear fastener connecting the control arm to the subframe. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



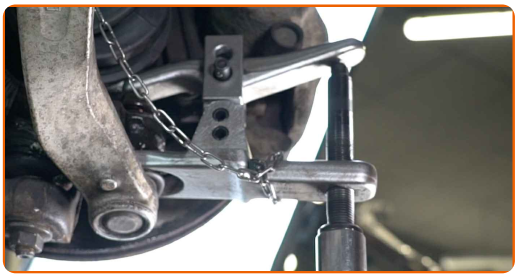
8 Unscrew the ball joint fastening to the steering knuckle. Use a combination spanner #18.



9 Support the arm. Use a hydraulic transmission jack.



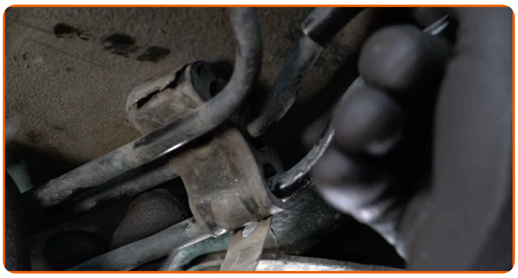
10 Disconnect the ball joint from the steering knuckle. Use a ball joint puller. Use a crowbar.



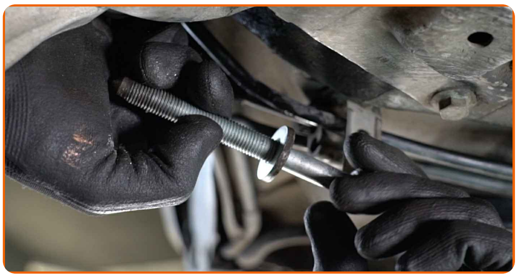
11 Remove the retainers of the fasteners of the fuel filter tubes.



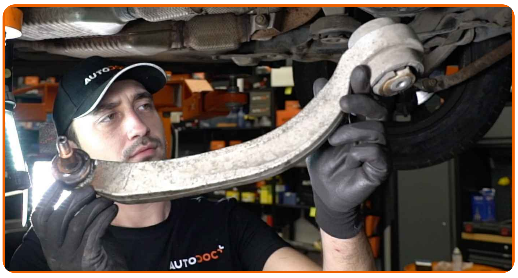
12 Detach the tubes from the fuel filter.



13 Remove the fastening bolt.



14 Remove the arm.



15 Attach the tubes to the fuel filter.



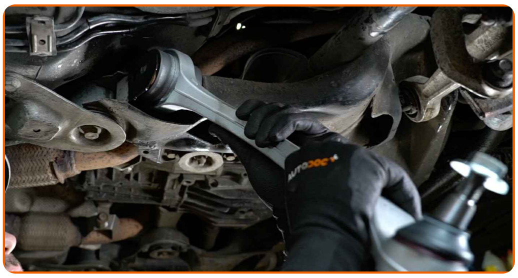
16 Install the retainers of the fasteners of the fuel filter tubes.



17 Clean the mounting seats and the thread of the suspension arm. Use a wire brush. Use WD-40 spray.



18 Install a new arm.



AUTODOC recommends:

- Replacement: front lower arm – Audi A6 C5 Avant. Use only new bolts and nuts for installation.
- Do not damage the ball joint cover.

19 Install the fastening bolt.



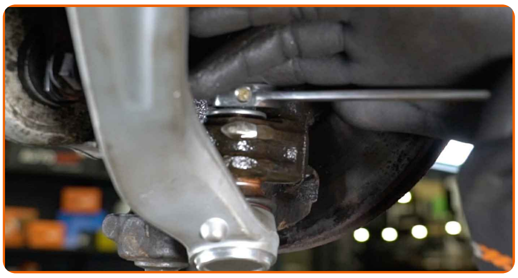
20 Screw the fastener connecting the control arm to the subframe. Use a combination spanner #18.



21 Connect the ball joint to the steering knuckle.



22 Screw the fastener connecting the ball joint to the steering knuckle. Use a combination spanner #18.



23 Tighten the fastener connecting the ball joint to the steering knuckle. Use a combination spanner #18. Use a torque wrench. Tighten it to 100 Nm torque.



24 Remove the support from under the arm.



AUTODOC recommends:

- Replacement: front lower arm – Audi A6 C5 Avant. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

25 Prop up the steering knuckle. Use a hydraulic transmission jack.



26

Tighten the rear fastener of the control arm. Use a combination spanner #18. Use a torque wrench. Tighten it to 70 Nm torque.+180°



AUTODOC recommends:

- Important! Be sure to use new fasteners.

27

Remove the support from under the steering knuckle.



Replacement: front lower arm – Audi A6 C5 Avant. Tip from AUTODOC experts:

- Lower the hydraulic transmission jack smoothly, without jerks, to avoid damaging assemblies and mechanisms.

28 Treat all joints of the arm. Use copper grease.



29 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



30 Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: front lower arm – Audi A6 C5 Avant. After applying the spray, wait a few minutes.

31 Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. Audi A6 C5 Avant

32 Screw in the wheel bolts. Use wheel impact socket #17.



33 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 Nm torque.



34 Remove the jacks and chocks.

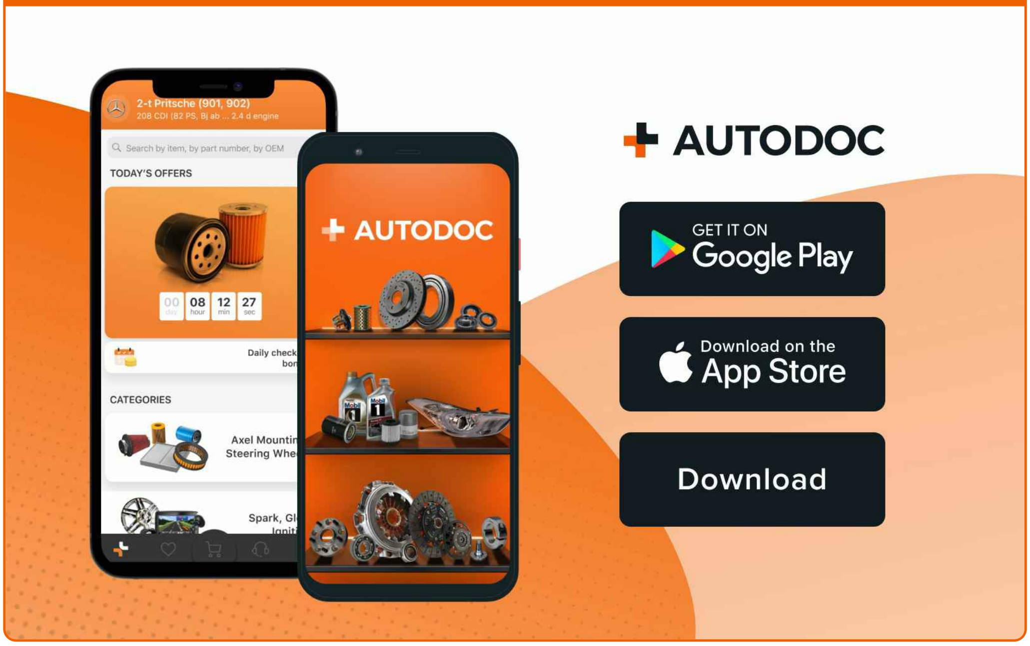


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